

FIG. 1

Field	Octets	Description
COMMAND	Variable	ASCII string - (See FIG. 4)
CMD_MOD_DELIM	2	:<SP>
MODIFIER[0]	Variable	ASCII string - (See FIG. 4)
MOD_DELIM	1	+
MODIFIER[1]	Variable	
...		
MODIFIER[N-1]	Variable	
END_OF_LINE	1	<NL> (0x0A)

FIG. 2

Field	Octets	Description
RESPONSE_NUM[0]	3	A 3-digit ASCII numeric string with leading zeros (e.g. 021 instead of 21).
RESPONSE_DELIM	2	Two ASCII characters equal to :<SP>.
RESPONSE_TEXT[0]	Variable	ASCII string
END_OF_LINE	1	<NL> (0x0A)
...
RESPONSE_NUM[N-1]	Variable	
RESPONSE_DELIM	2	
RESPONSE_TEXT[N-1]	Variable	
END_OF_LINE	1	<NL> (0x0A)
END_OF_LINE	1	<NL> (0x0A)

FIG. 3

	Command	Modifiers	Description	Response
402	ALIVE	RECIPIENT_IP	Keep-alive reminder.	900: Error - (<i>explanation</i>)
				000: OK
404	DONE		Done with the command stream, please close the connection.	None
406	LIST	DATA	List the data types available for logging as NAME(REC_TYPE).	900: Error - (<i>explanation</i>)
				010: name0(0x01), name1(0x02), name2(0x03), ...
408	PROTOCOL_VERSION		Highest version of DMCP protocol that server supports displayed in the format major.minor.	900: Error - (<i>explanation</i>)
				030: 1.2
410	RECIPIENT	RECIPIENT_IP	Register new data receiver for data with given conditions.	900: Error - (<i>explanation</i>)
		DATA		000: OK
		DELIVERY		910: Refused - (<i>explanation</i>)
		FORMAT		
		PERIOD		
		WHEN		
412	UN-REGISTER	RECIPIENT_IP	Remove a registration and flush buffers.	900: Error - (<i>explanation</i>)
		ALL		000: OK
414	RETRIEVE	RECIPIENT_IP	Ask for delivery of buffered data.	900: Error - (<i>explanation</i>)
				000: OK
				930: Can't open connection.

FIG. 4A

	Command	Modifiers	Description	Response
416	STOP	RECIPIENT_IP	Stop logging	900: Error – (<i>explanation</i>)
		ALL		000: OK
418	START	RECIPIENT_IP	Start logging	900: Error – (<i>explanation</i>)
				000: OK
420	STATUS		Status	900: Error – (<i>explanation</i>)
				040: IP Address
				041: Unavailable – (<i>explanation</i>)
				042: Available
				043: Logging Buffered (#)
422	TIME		Return the time at the server in HDR time 5/3 ms format.	900: Error – (<i>explanation</i>)
				050: value
424	UNITS	DATA	Returns an ASCII description of the units in the format UNIT_NAME(BTYPE)	900: Error – (<i>explanation</i>)
				060: value0, value1, ...

FIG. 4B

<i>BTYPE</i>	<i>Valid # Values</i>	<i>Description</i>
INT#/[BASE]	1-64	Signed fixed point with a base equal to BASE.
WORD#/[BASE]	1-64	Unsigned fixed point with a base equal to BASE.
STRUCTURED[<i>FieldName0/BTYPE,FieldName1/BTYPE,...</i>]	N/A	Format is optionally defined herein or elsewhere.

FIG. 5

<i>Field</i>	<i>Octets</i>	<i>Description</i>
MOD_NAME	Variable	The name (e.g. DATA).
MOD_INPUT_BEGIN	1	[
MOD_INPUT [0]	Variable	ASCII string.
MOD_INPUT_DELIM	1	,
MOD_INPUT [1]	Variable	
MOD_INPUT_DELIM	1	
...
MOD_INPUT[N-1]	Variable	
MOD_INPUT_END	1]

FIG. 6

	Modifier	Description	Input	Default
702	RECIPIENT_IP	Specifies the IP address of the client.	####.####.####.### ## or name.com/####	N/A
704	ALL	Apply command to all clients currently registered.	ALL, STREAMED, BUFFERED	ALL
706	DATA	Describes data names to which the command applies.	name0, REC_TYPE1, name2...	ALL
708	DELIVERY	Specifies whether the data will be delivered continuously or buffered until request.	STREAMED_UDP, STREAMED_TCP BUFFERED, or WRAPPED	STREAMED_UDP
710	FORMAT	Specifies in what format the data should be delivered.	BDEF	BDEF
712	PERIOD	Specifies at what minimum periodicity the data should be sampled.	# in 5/3 milliseconds	Minimum period for data type
714	WHEN	Condition trigger for command.	TIME (> <) # CARD_IP = #.#.#.# AT_IP = #.#.#.# PN = # ALL	ALL

FIG. 7

Command	Modifiers	Description	Response
DMCP_CLIENT	RECIPIENT_IP	Request that the DMCP server's address be sent to the client.	031: address in dot-slash notation 032: Type (e.g. AT, MPT, or MPC) -(See FIG. 1) 900: Error - (explanation)

FIG. 8

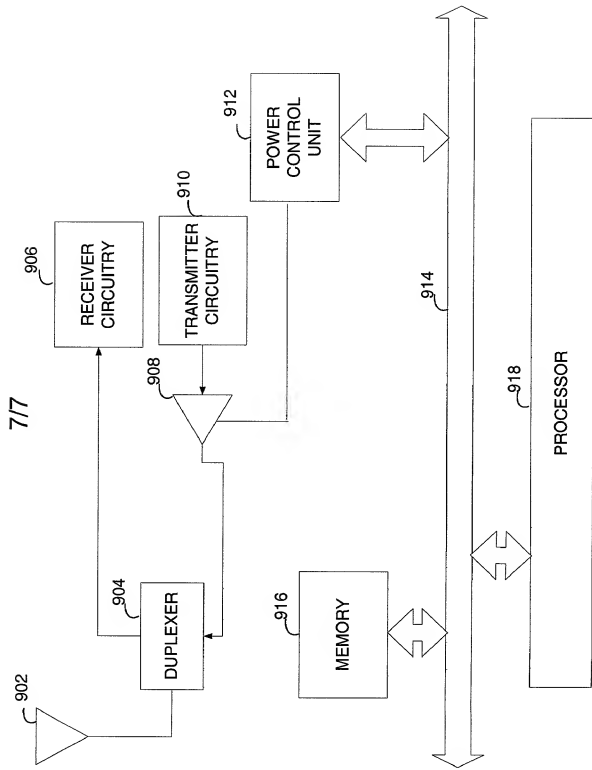


FIG. 9